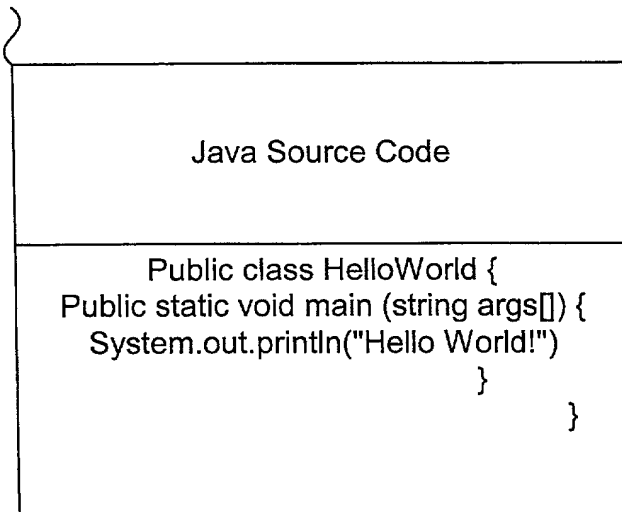
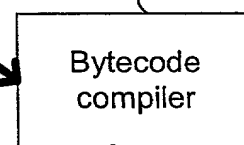


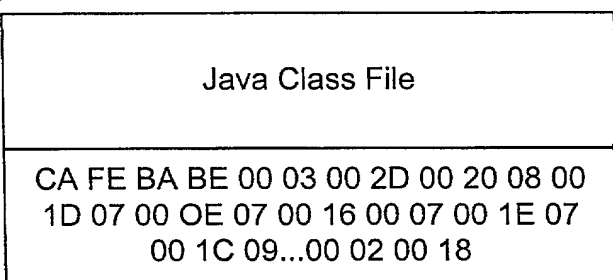
101



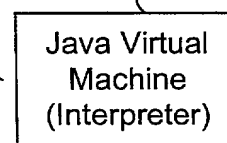
103



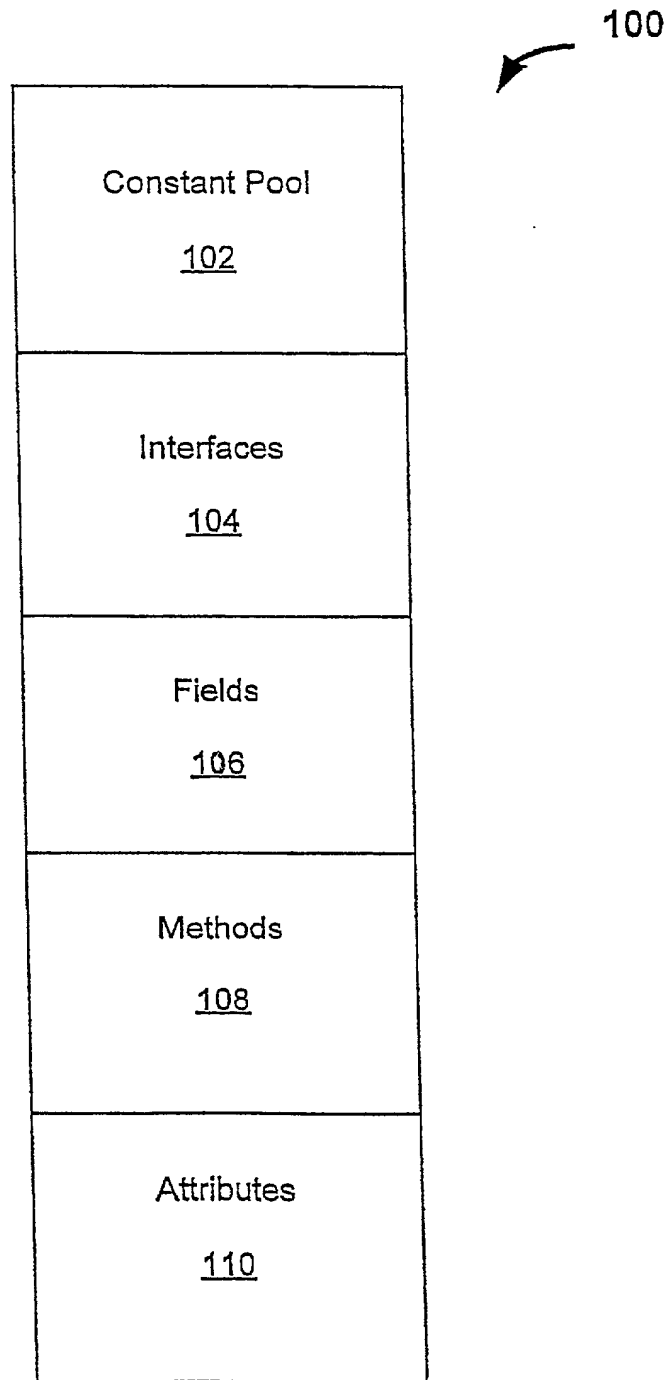
105



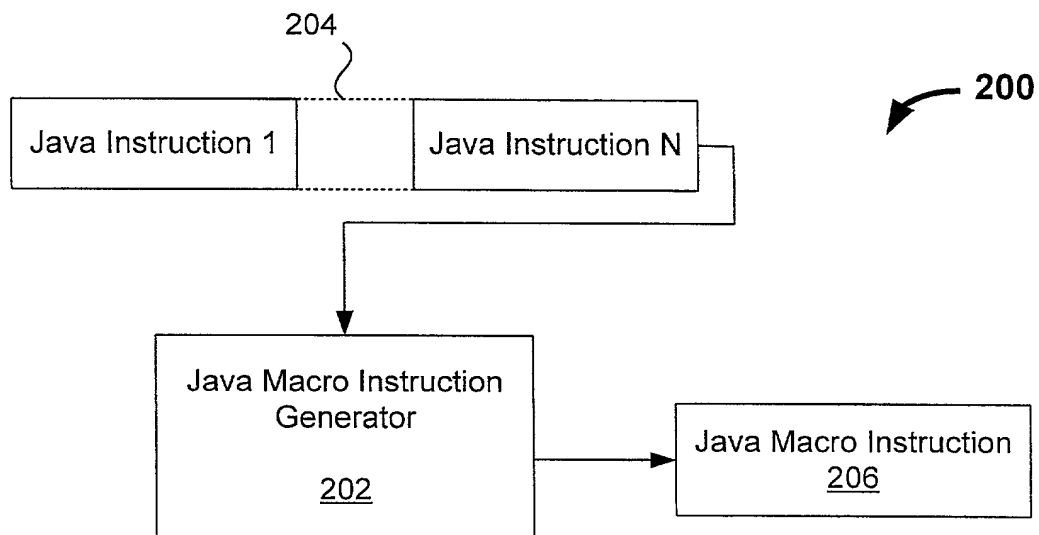
107



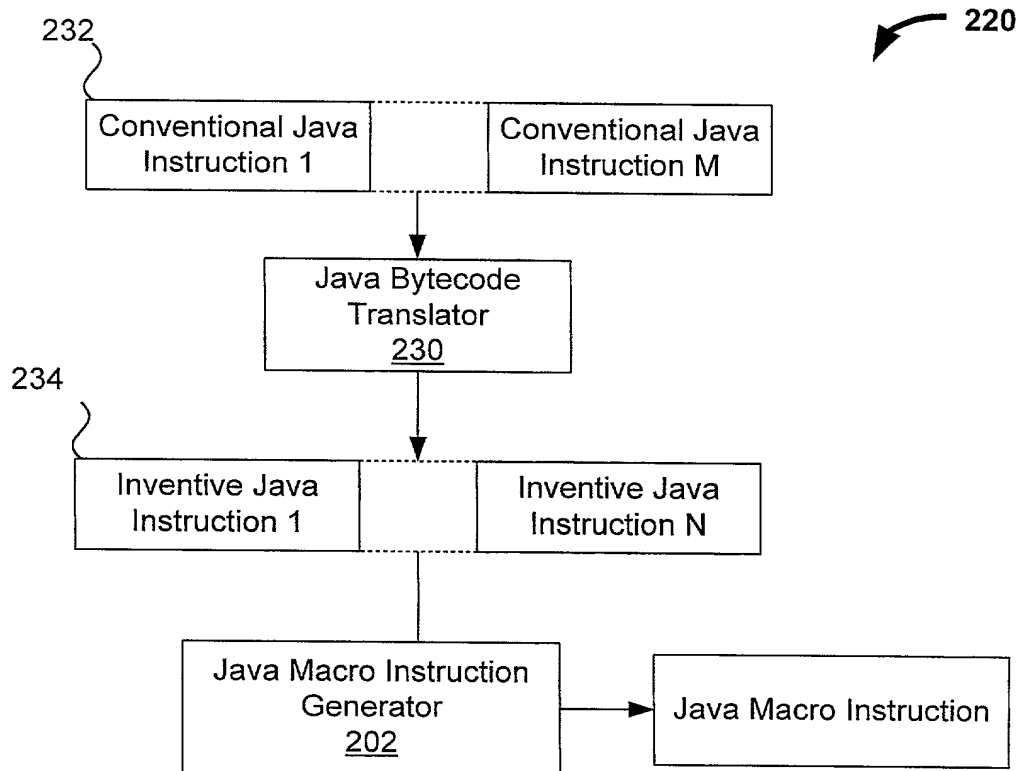
**Fig. 1A**



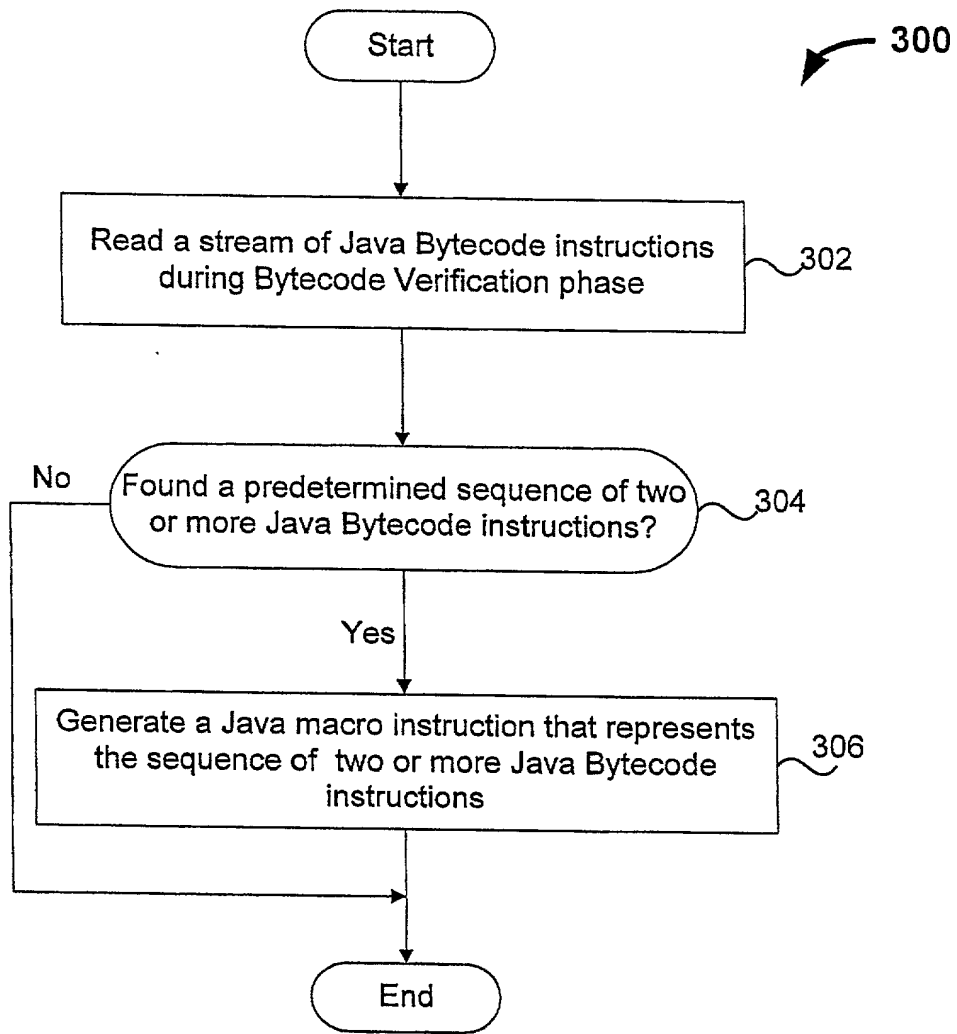
**Fig. 1B**



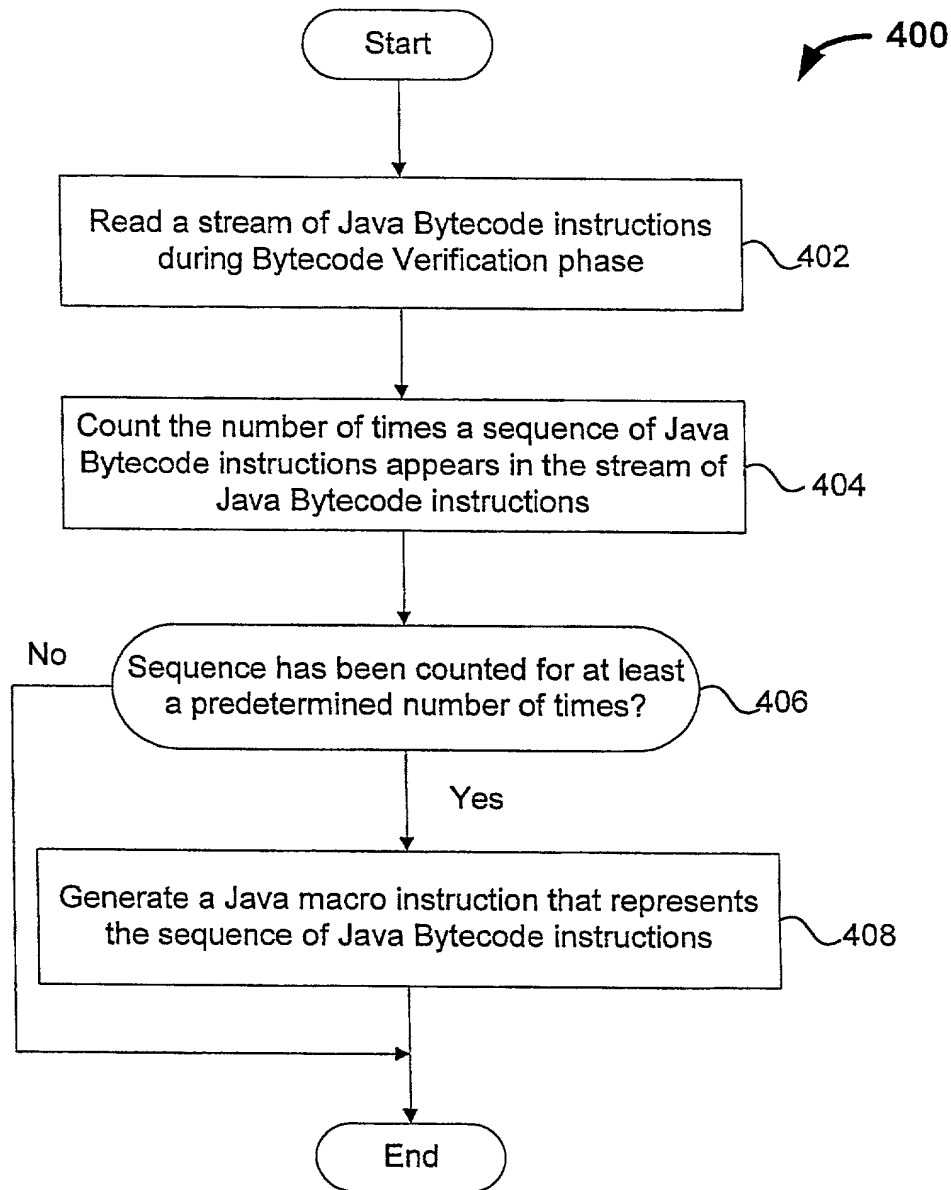
**Fig. 2A**



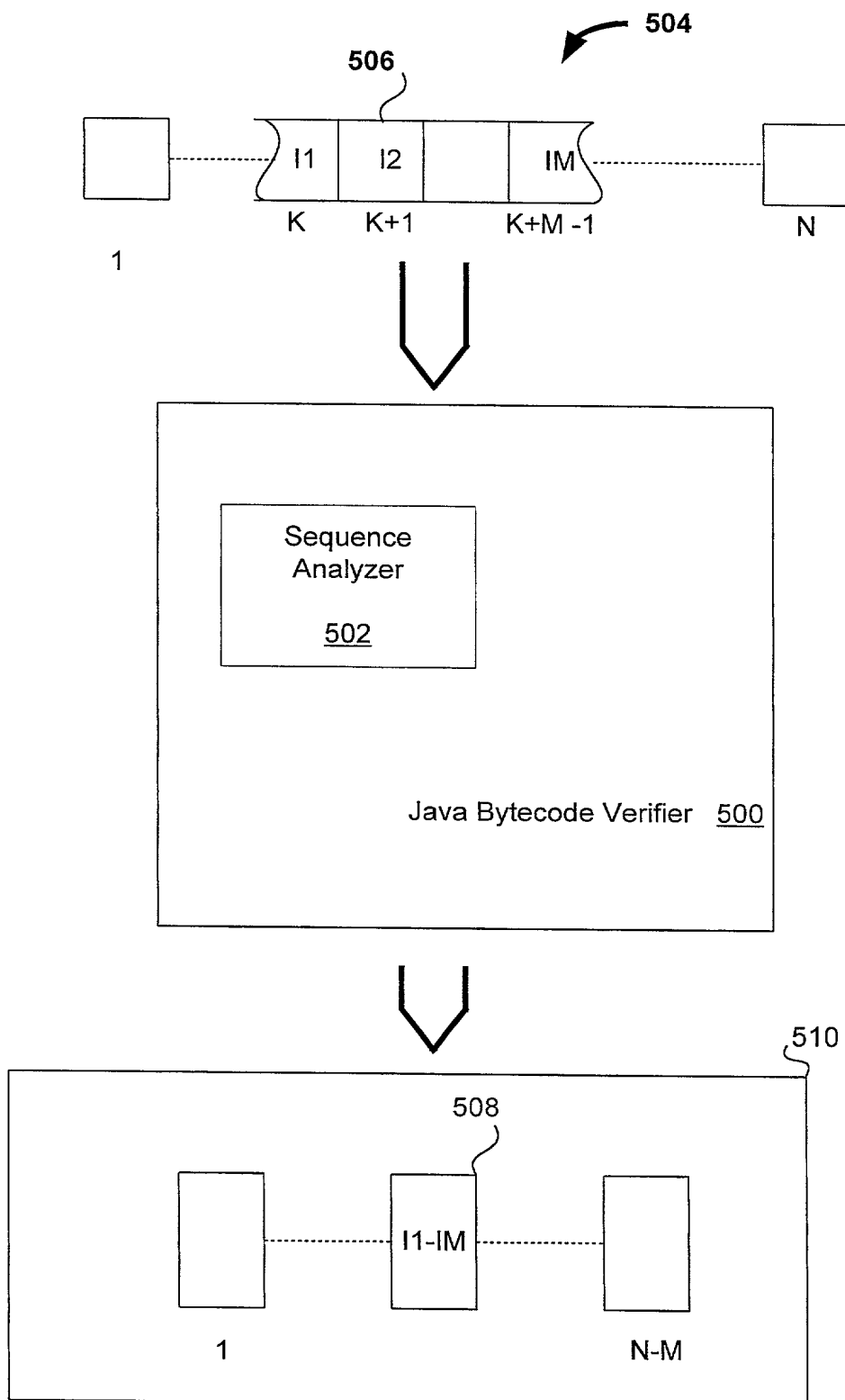
**Fig. 2B**



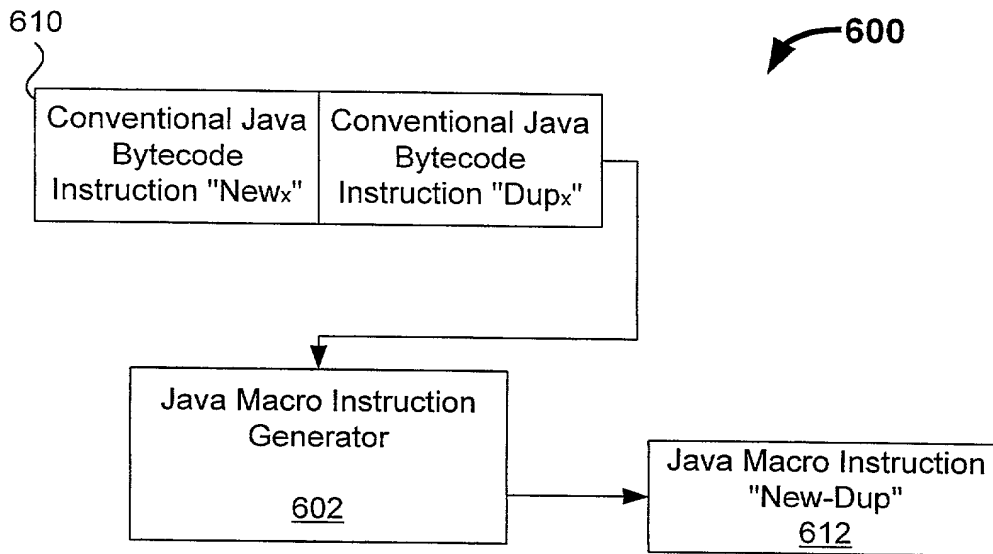
**Fig. 3**



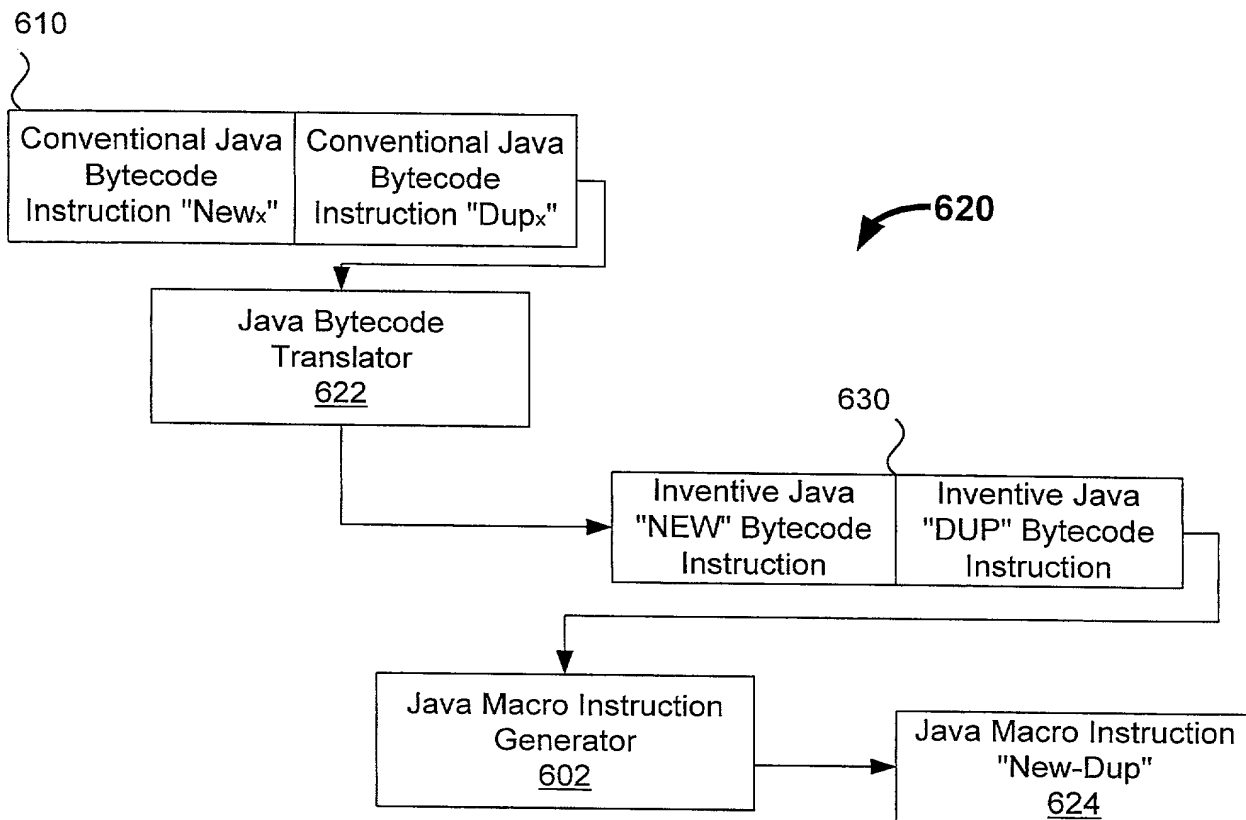
**Fig. 4**



**Fig. 5**

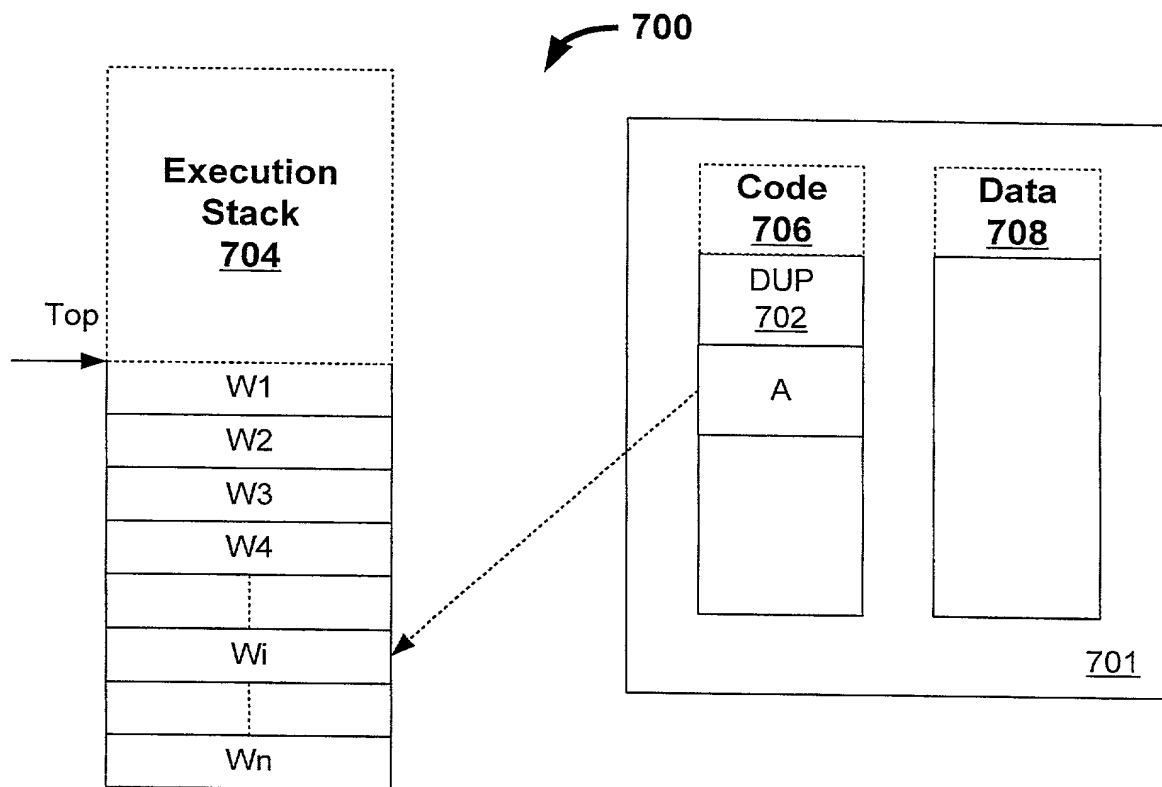


**Fig. 6A**



**Fig. 6B**





**Fig. 7A**

**DUP**

Dup
Dup_x1
Dup_x2

**Fig. 7B**

**DUPL**

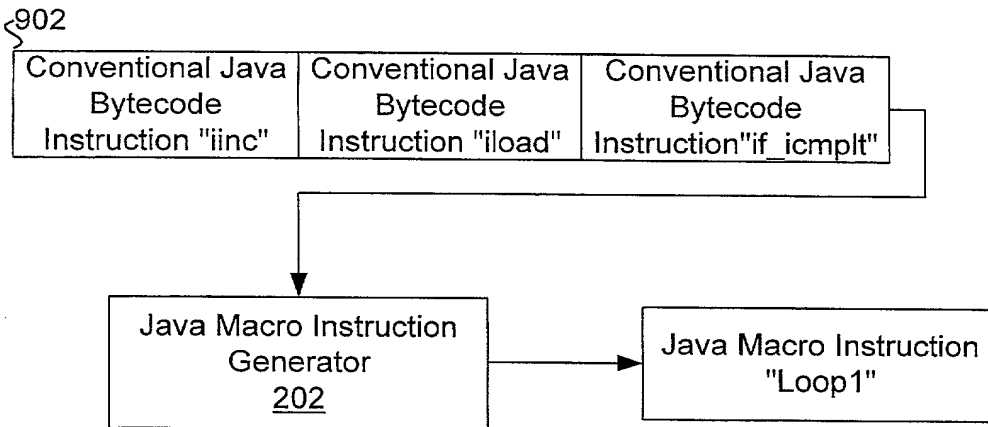
Dup2
Dup2_x1
Dup2_x2

**Fig. 7C**

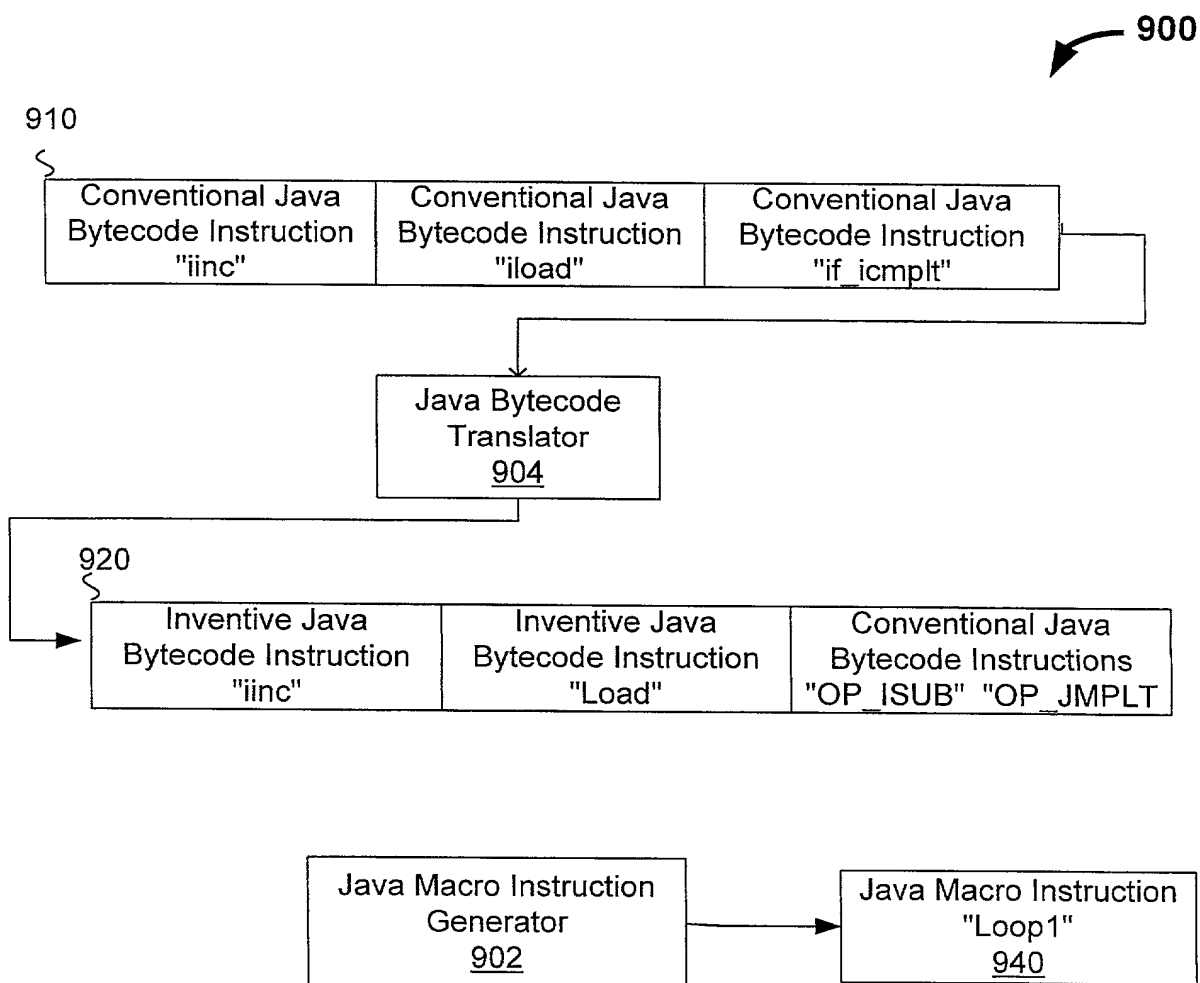
**NEW**

New
Newarray
Anewarray
Multianewarray

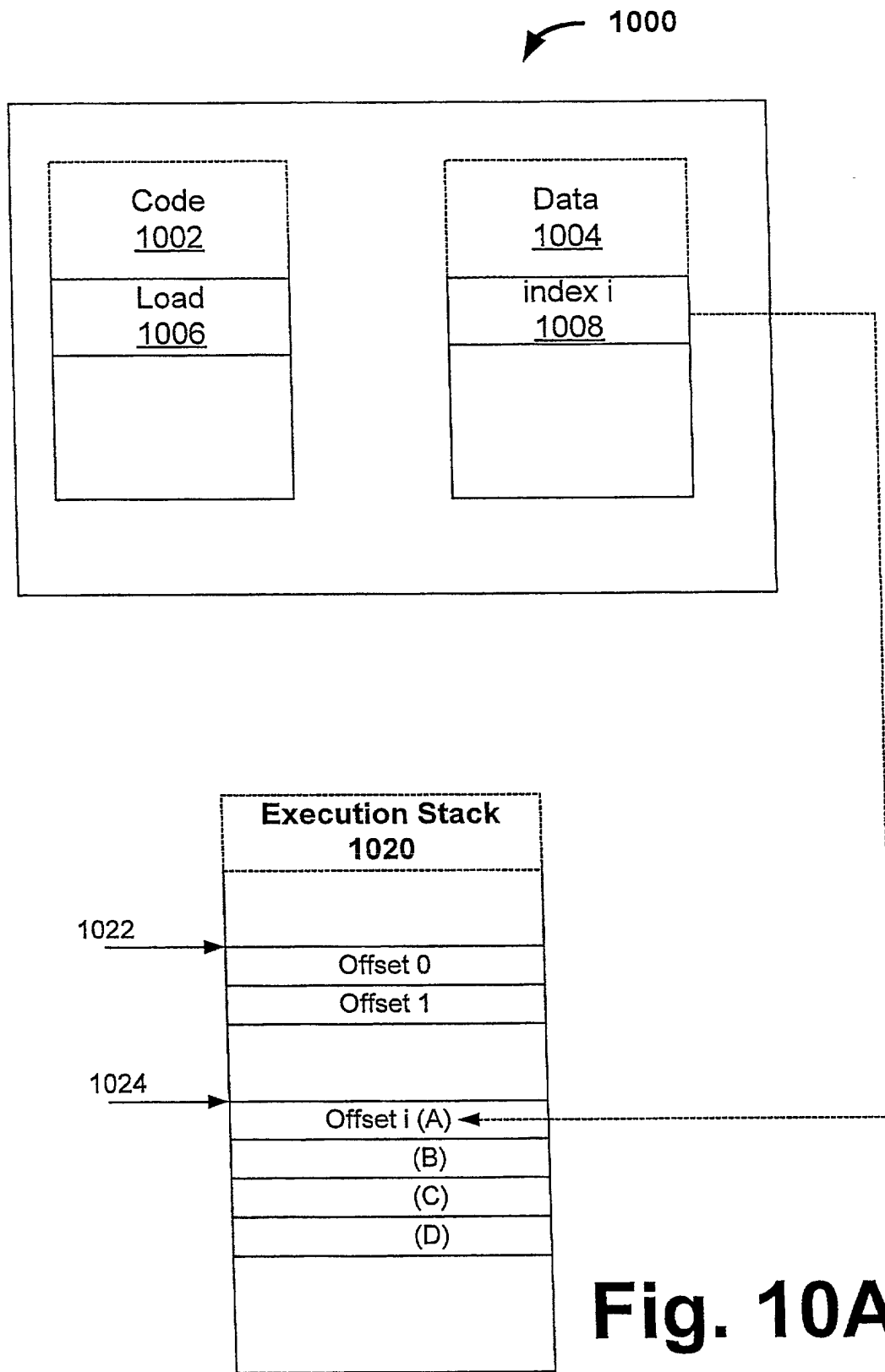
**Fig. 8**



**Fig. 9A**



**Fig. 9B**



LOAD

iload
fload
aload
iload_0
iload_1
iload_2
iload_3
fload_1
fload_2
fload_3
aload_0
aload_1
aload_2
aload_3

**Fig. 10B**

LOADL

lload
dload
lload_0
lload_1
lload_2
lload_3
fload_0
dload_0
dload_1
dload_2
dload_3

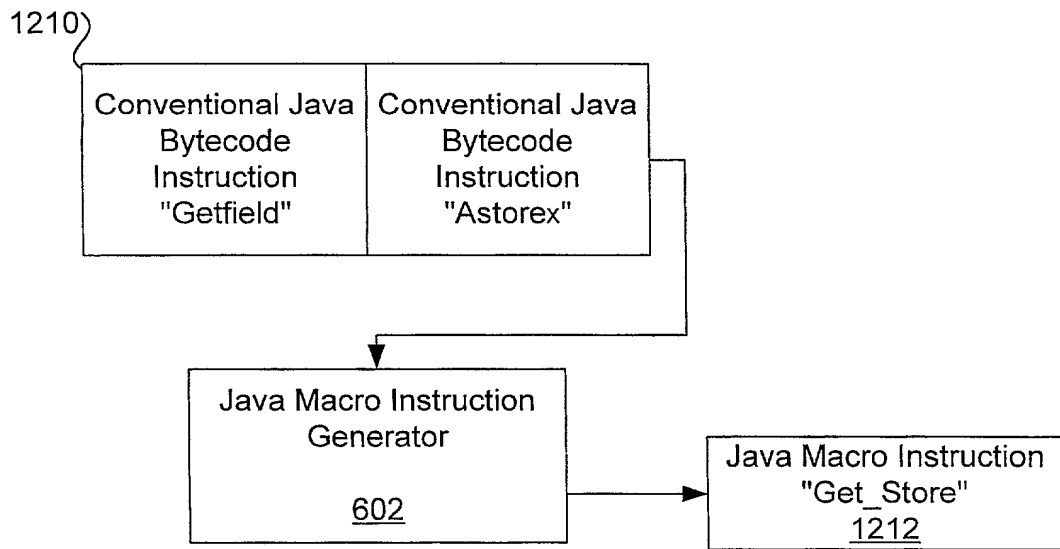
**Fig. 10C**

lcmp	OP_LSUB, OP_JMPEQ
fcmpl	OP_FSUB, OP_JMPLE
fcmpg	OP_FSUB, OP_JMPGE
dcmpl	OP_DCMP, OP_JMPLE
dcmpg	OP_DCMP, OP_JMPGE

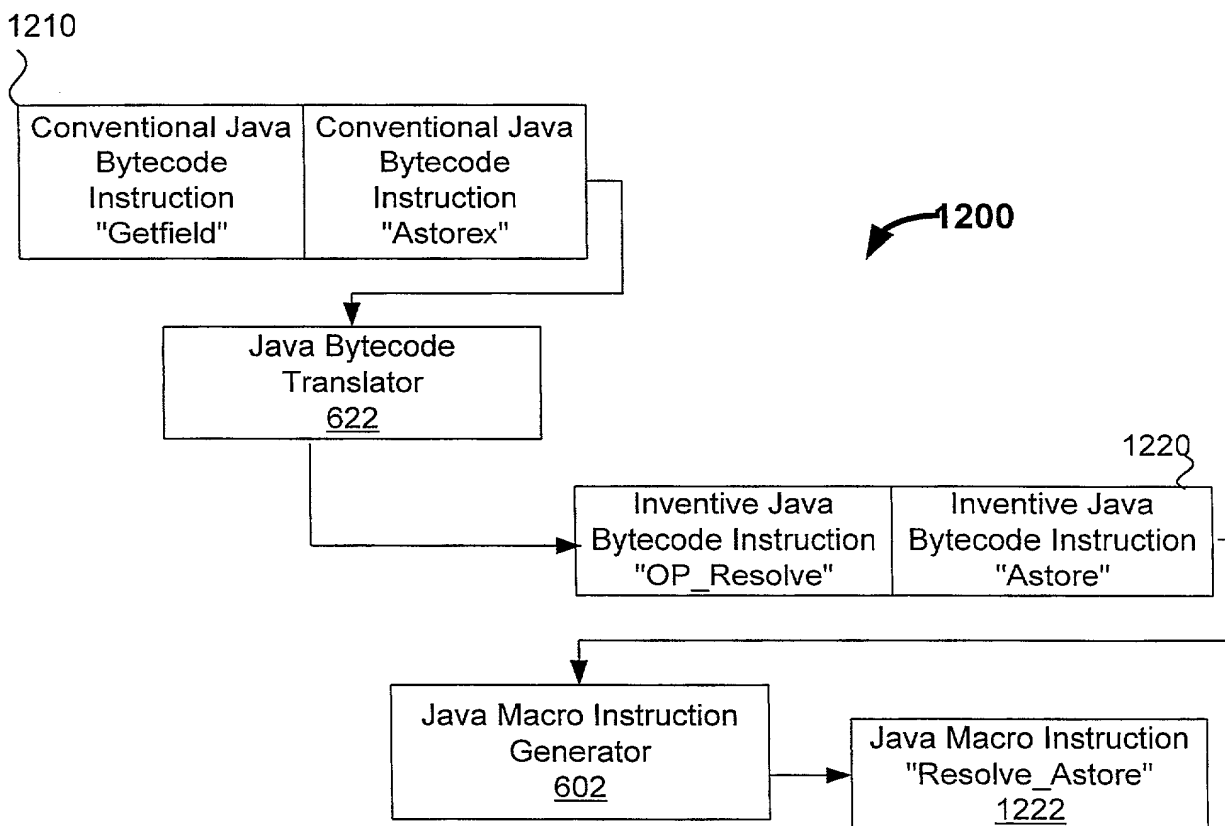
**Fig. 11A**

if_icmpeq	OP_ISUB, OP_JMPEQ
if_icmpne	OP_ISUB, OP_JMPNE
if_icmplt	OP_ISUB, OP_JMPLT
if_icmpge	OP_ISUB, OP_JMPGE
if_icmpgt	OP_ISUB, OP_JMPGT
if_icmple	OP_ISUB, OP_JMPLE
if_acmpeq	OP_ISUB, OP_JMPEQ
if_acmpne	OP_ISUB, OP_JMPNE

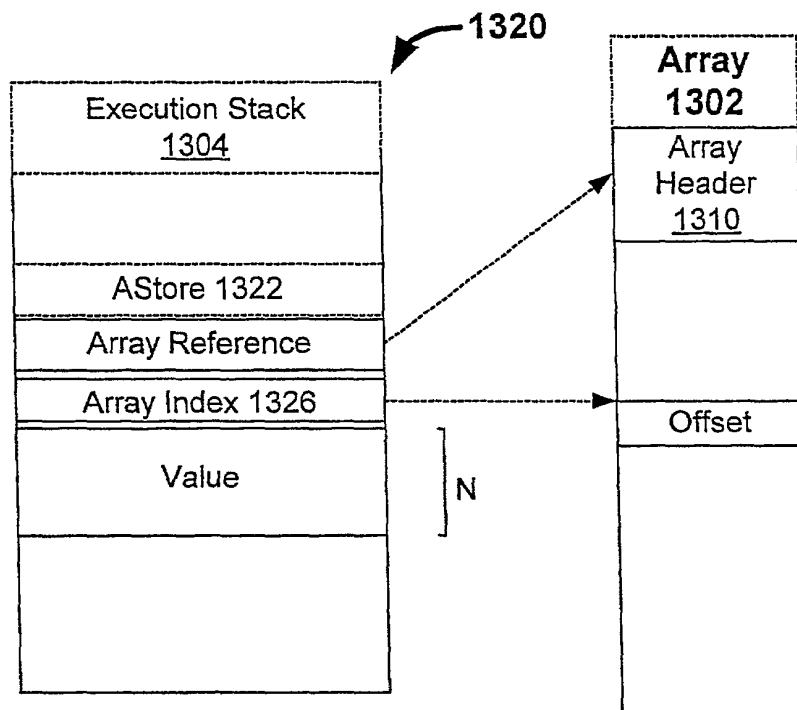
**Fig. 11B**



**Fig. 12A**



**Fig. 12B**



**Fig. 13A**

ASTORE	
iastore	
fastore	
aastore	
bastore	
castore	
sastore	

**Fig. 13B**

ASTOREL	
lastore	
dastore	

**Fig. 13C**